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OM protein - protein search, using SW model

Run on: June 3, 2003, 15:08:45 : Search time 45 Seconds

(without alignments) 537.610 Million cell updates/sec

Title: US-09-887-784-4

Perfect score: 1274

Sequence: 1. NYSKDEEFLFGQVPLVLELD.....VLLGEVTTAAGITGMDELYK 239

Scoring table: BLOSUM12 Capsep 10.0 , Gapet 0.5

Searched: 383519 seqs, 101223654 residues

Total number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Published Applications An:\*

1: /can2\_6\_1/ptodata/1/pubbaa/0508\_NER\_PUB\_PEP:\*

2: /can2\_6\_1/ptodata/1/pubbaa/0509\_NER\_PUB\_PEP:\*

3: /can2\_6\_1/ptodata/1/pubbaa/0506\_NER\_PUB\_PEP:\*

4: /can2\_6\_1/ptodata/1/pubbaa/0507\_NER\_PUB\_PEP:\*

5: /can2\_6\_1/ptodata/1/pubbaa/0508\_NER\_PUB\_PEP:\*

6: /can2\_6\_1/ptodata/1/pubbaa/0509\_NER\_PUB\_PEP:\*

7: /can2\_6\_1/ptodata/1/pubbaa/0506\_NER\_PUB\_PEP:\*

8: /can2\_6\_1/ptodata/1/pubbaa/0507\_NER\_PUB\_PEP:\*

9: /can2\_6\_1/ptodata/1/pubbaa/0509\_NER\_PUB\_PEP:\*

10: /can2\_6\_1/ptodata/1/pubbaa/0510\_NER\_PUB\_PEP:\*

11: /can2\_6\_1/ptodata/1/pubbaa/0510\_NER\_PUB\_PEP:\*

12: /can2\_6\_1/ptodata/1/pubbaa/0510\_NER\_PUB\_PEP:\*

13: /can2\_6\_1/ptodata/1/pubbaa/0510\_NER\_PUB\_PEP:\*

14: /can2\_6\_1/ptodata/1/pubbaa/0510\_NER\_PUB\_PEP:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1274	239	9	us-09-887-784-4	Sequence 4, Apb1
2	1266	99.4	239	9	Sequence 2, Apb1
3	1263	99.1	239	9	Sequence 4, Apb1
4	1263	99.1	239	9	Sequence 2, Apb1
5	1263	99.1	239	9	Sequence 13, Apb1
6	1263	99.1	239	9	Sequence 7, Apb1
7	1263	99.1	239	9	Sequence 46, Apb1
8	1263	99.1	239	9	Sequence 1, Apb1
9	1263	99.1	239	9	Sequence 2, Apb1
10	1263	99.1	239	9	Sequence 35, Apb1
11	1263	99.1	308	9	Sequence 33, Apb1
12	1263	99.1	359	9	Sequence 34, Apb1
13	1263	99.1	359	9	Sequence 129, Apb1
14	1263	99.1	379	9	Sequence 32, Apb1
15	1263	99.1	391	9	Sequence 30, Apb1
16	1263	99.1	397	9	Sequence 31, Apb1
17	1263	99.1	403	9	Sequence 127, Apb1
18	1263	99.1	429	9	Sequence 1, Apb1
19	1263	99.1	442	9	Sequence 127, Apb1

RESULT 1: US-09-887-784-4

Query Match 100.0% Score 1274

Best Local Similarity 100.0% DB 9;

Matches 239; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Organism: Aquaria Victoria

TYPE: PRT

US-09-887-784-4

#### ALIGNMENTS

Result	Match	Length	DB ID	Description
1	1263	99.1	us-09-887-784-4	Sequence 4, Apb1
2	1263	99.1	us-09-887-784-4	Sequence 6, Apb1
3	1263	99.1	us-09-887-784-4	Sequence 4, Apb1
4	1263	99.1	us-09-887-784-4	Sequence 14, Apb1
5	1263	99.1	us-09-887-784-4	Sequence 51, Apb1
6	1263	99.1	us-09-887-784-4	Sequence 119, Apb1
7	1263	99.1	us-09-887-784-4	Sequence 15, Apb1
8	1263	99.1	us-09-887-784-4	Sequence 2, Apb1
9	1263	99.1	us-09-887-784-4	Sequence 6, Apb1
10	1263	99.1	us-09-887-784-4	Sequence 17, Apb1
11	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
12	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
13	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
14	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
15	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
16	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
17	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
18	1263	99.1	us-09-887-784-4	Sequence 19, Apb1
19	1263	99.1	us-09-887-784-4	Sequence 19, Apb1

RESULT 2: US-09-887-784-4

Query Match 100.0% Score 1274

Best Local Similarity 100.0% DB 9;

Matches 239; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Organism: Aquaria Victoria

TYPE: PRT

US-09-887-784-4

Patent No. US2002017718941

GENERAL INFORMATION:

APPLICANT: BIORN, Sara et al

TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS

FILE REFERENCE: 3759-0115P

CURRENT APPLICATION NUMBER: US/09/887-784

CURRENT FILING DATE: 2001-06-19

NUMBER OF SEQ ID NOS: 26

SEQ ID NO: 2

LENGTH: 239

TITLE: PRT

ORGANISM: *Aequorea victoria*

US-09-887-784-2

Query Match Similarity 99.4%; Score 1266; DB 9; Length 239;  
Best Local Similarity 99.6%; Pred. No. 2; 8e-14; Indels 0; Gaps 0;  
Matches 238; ConservativeQy 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPPW 60  
Db 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPPW 60Query Match Similarity 99.6%; Score 1266; DB 9; Length 239;  
Best Local Similarity 99.6%; Pred. No. 2; 8e-14; Indels 0; Gaps 0;  
Matches 238; ConservativeQy 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120  
Db 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120Query Match Similarity 99.6%; Score 1266; DB 9; Length 239;  
Best Local Similarity 99.6%; Pred. No. 2; 8e-14; Indels 0; Gaps 0;  
Matches 238; ConservativeQy 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180  
Db 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180Query Match Similarity 99.6%; Score 1266; DB 9; Length 239;  
Best Local Similarity 99.6%; Pred. No. 2; 8e-14; Indels 0; Gaps 0;  
Matches 238; ConservativeQy 181 DHQONTPIGDGVVLPDNNHLYSTOSALKSKPNEKDRHNLGFTAGTILGMDLYK 239  
Db 181 DHQONTPIGDGVVLPDNNHLYSTOSALKSKPNEKDRHNLGFTAGTILGMDLYK 239Query Match Similarity 99.6%; Score 1266; DB 9; Length 239;  
Best Local Similarity 99.6%; Pred. No. 2; 8e-14; Indels 0; Gaps 0;  
Matches 238; ConservativeQy 181 DHQONTPIGDGVVLPDNNHLYSTOSALKSKPNEKDRHNLGFTAGTILGMDLYK 239  
Db 181 DHQONTPIGDGVVLPDNNHLYSTOSALKSKPNEKDRHNLGFTAGTILGMDLYK 239RESULT 3  
US-09-999-745-4

Sequence 4, Application US/09999745

Patent No. US20010157120A1

GENERAL INFORMATION:

APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: Tsien, Roger Y.

APPLICANT: Baird, Geoffrey

TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS

FILE REFERENCE: REGEN1470-1

CURRENT APPLICATION NUMBER: US/09/999-745

CURRENT FILING DATE: 2001-10-23

PRIORITY NUMBER: 09/316,920

PRIOR FILING DATE: 1999-05-21

NUMBER OF SEQ ID NOS: 67

SOFTWARE: PatentIn version 3.0

SEQ ID NO 4

LENGTH: 239

TITLE: PRT

ORGANISM: *Aequorea victoria*

US-09-999-745-4

Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPT 60  
Db 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPT 60Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120  
Db 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180  
Db 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180RESULT 4  
US-09-999-745-4

Sequence 4, Application US/09999745

Patent No. US20010157120A1

GENERAL INFORMATION:

APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: Tsien, Roger Y.

APPLICANT: Baird, Geoffrey

TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS

FILE REFERENCE: REGEN1470-1

CURRENT APPLICATION NUMBER: US/09/999-745

CURRENT FILING DATE: 2001-10-23

PRIORITY NUMBER: 09/316,920

PRIOR FILING DATE: 1999-05-21

NUMBER OF SEQ ID NOS: 67

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2

LENGTH: 239

TITLE: PRT

ORGANISM: *Aequorea victoria*

US-09-999-745-4

Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPT 60  
Db 1 MYSKGBELFTGVPILVLDODNGKFKVSCEGDAVGTKEKTCIICLKPWPT 60Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120  
Db 61 LVTTLTSYGVCPERPDNKHOFPSKAMPQYQERTFEDDGKTFKTCIICLKPWPT 120Query Match Similarity 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5e-14; Indels 1; Mismatches 1; Gaps 0;

Matches 237; Conservative

Qy 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180  
Db 121 VVRLAGIDPDKDNTLGHLEMYNSINNYTMDQKNGTKVNFKTRHNTEDSVOLA 180

1 MVSQGELFGWPVLVEQDVGHEKPSGSQSGSDATGKULKFICTGILQVPMW  
 1 MVSQGELFGWPVLVEQDVGHEKPSGSQSGSDATGKULKFICTGILQVPMW  
 61 LVTTLSYQGCSRPDIQHDFKSAMPGVQSRTRIFKDQGKTRAYKFQGDDT  
 61 LVTTLSYQGCSRPDIQHDFKSAMPGVQSRTRIFKDQGKTRAYKFQGDDT  
 61 LVTTLSYQGCSRPDIQHDFKSAMPGVQSRTRIFKDQGKTRAYKFQGDDT  
 61 LVTTLSYQGCSRPDIQHDFKSAMPGVQSRTRIFKDQGKTRAYKFQGDDT  
 121 VNRTELGIDPKEDGNLIGKLEYNNSHAVYIMDKQKSVKRNTRHNTEDGSQL  
 121 VNRTELGIDPKEDGNLIGKLEYNNSHAVYIMDKQKSVKRNTRHNTEDGSQL  
 181 DITQYQPTGQDGPVLPDNHLYSTOSALSKDPERDNLVLETTAGITLGDLWY  
 181 DITQYQPTGQDGPVLPDNHLYSTOSALSKDPERDNLVLETTAGITLGDLWY  
 181 DITQYQPTGQDGPVLPDNHLYSTOSALSKDPERDNLVLETTAGITLGDLWY

RESULT 6  
 S-10-121-258-13  
 Sequence 13, Application US/10121258  
 Publication No. US2003005935A1  
 GENERAL INFORMATION:  
 APPLICANT: Tsien, Roger  
 ATTORNEY: Campbell, Robert  
 TITLE OF INVENTION: MONOMERIC AND DIMERIC FLUORESCENT  
 TITLE OF INVENTION: PROTEIN VARIANT AND METHODS FOR MAKING SAME  
 FILE REFERENCE: DOGB1-PCP1  
 CURRENT APPLICATION NUMBER: US/10/121,258  
 CURRENT FILING DATE: 2002-04-10  
 PRIOR APPLICATION NUMBER: 09/734,308  
 PRIOR FILING DATE: 2001-02-26  
 PRIOR APPLICATION NUMBER: 09/866,538  
 PRIOR FILING DATE: 2001-05-24  
 NUMBER OF SEQ ID: 78  
 SEQUENCE: Best fit for: Monomer Version A

CURRENT APPLICATION NUMBER: US/10/221,461  
CURRENT FILING DATE: 2002-09-12  
PRIOR APPLICATION NUMBER: PCT/US01/08071  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 00/189,698  
PRIOR FILING DATE: 2000-03-15  
NUMBER OF SEQ ID: 37  
SOFTWARE: PASTSEQ For Windows Version 4.0  
SEQ ID NO: 7  
LENGTH: 239  
TYPE: PNT  
ORGANISM: Artificial Sequence  
FEATURE: None  
OTHER INFORMATION: GFP derivative  
10/221,461-7

RESULT 5  
S-10-121-258-13  
Sequence 13, Application US/0121258  
Publication No. US2003005935A1  
GENERAL INFORMATION:  
APPLICANT: Tsien, Roger  
ATTORNEY: Campbell, Robert  
TITLE OF INVENTION: MONOMERIC AND DIMERIC FLUORESCENT  
PROTEIN VARIANTS AND METHODS FOR MAKING SAME  
FILE REFERENCE: US0311CPCP1  
CURRENT APPLICATION NUMBER: US/10/121-258  
CURRENT FILING DATE: 2002-04-10  
PRIOR APPLICATION NUMBER: 09/734,308  
PRIOR FILING DATE: 2001-02-26  
PRIOR APPLICATION NUMBER: 09/846,538  
PRIOR FILING DATE: 2001-05-24  
NUMBER OF NOS: 78  
SEQUENCES: 8  
DESCRIPTION: Best ID: 78  
Version A

Query/Target Match	Score	Length	Similarity	Best Local Matches	Pred. No.	Mismatches	Conservative
Q: 1 MVSKEELFTCPYPLVVEDQDGKHSYV T: 1 MVSKEELFTCPYPLVVEDQDGKHSYV	12631	99	99.2%	1: Hismatc 237: Conservative	1: Hismatc	0	1: Hismatc

SEQ ID NO: 13	LENGTH: 239	RESULT 7
TIP: PRT	Score 1265; DB 9; Length 239;	Score 1265; DB 9; Length 239;
ORGANISM: Artificial Sequence	Pred. No. 5.3e-14;	Pred. No. 5.3e-14;
FEATURE: OTHER INFORMATION: Enhanced Green Fluorescent Protein (EGFP)	Matches 231; Conservative 1; Mismatches 1; Indels 0;	Matches 231; Conservative 1; Mismatches 1; Indels 0;
-S-T-10-121-258-13		
Query Match 99.1%; Best Local Similarity 99.2%; Matches 231;	Score 1265; DB 9; Length 239;	Score 1265; DB 9; Length 239;
1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW 1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW	1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW 1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW	1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW 1 MYSKGELETFGVPIVLYEDQVGHKFSVSGGBSDATYCKTULKPICTGKLPVPMW
61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY 61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY	61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY 61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY	61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY 61 LYVTTLSIGVOCFSRPDINHQDFPKSAMPGVQYRTRTFKDQGKTRAVKFBDY
121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI 121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI	121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI 121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI	121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI 121 VNRVLEKGIDFEDGNLGIKLELYNNSHANVIMADQKQGKIVKPFKIRHNTGYSQI
181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI 181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI	181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI 181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI	181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI 181 DIAQYQNPIDGTVLJPPNNYLSQTOSALSKDPPNEKDHNWLLGTVFAGIUTGNDLYI

Qy 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239  
 Db 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239

RESULT 9

US-09-920-922-2 Sequence 2, Application US/0920922  
 / Publication No. US20030053488A1  
 / GENERAL INFORMATION:  
 / APPLICANT : Miyazaki , Atsushi  
 / ATTORNEY : Asano, Toshiaki  
 / TITLE OF INVENTION: A METHOD FOR MUTAGENESIS  
 / FILE REFERENCE: 198-A001001  
 / CURRENT APPLICATION NUMBER: 05/09-920, 922  
 / PRIORITY FILING DATE: 2001-09-02  
 / PRIORITY APPLICATION NUMBER: JP 2000-231766  
 / NUMBER OF SEQ ID NOS: 9  
 / SOFTWARE: Fast-SSO for Windows Version 4.0  
 / SEQ ID NO: 2 LENGTH: 239

TYPE: PRT ORGANISM: Aequorea victoria

05-09-920-922-2

Query Match Similarity 99.1%; Score 1263; DB 10; Length 239;  
 Best Local Similarity 99.2%; Prod. No. 5; Sc-114;  
 Matches 237; Conservative 1; Mismatches 0; Gaps 0;

Qy 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60  
 Db 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60

Qy 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120  
 Db 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120

Qy 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180  
 Db 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180

Qy 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239  
 Db 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239

RESULT 10

US-10-100-957A-2 Sequence 2, Application US/1010957A  
 / Publication No. US2003005632A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Giuliano, Kenneth A.  
 / ATTORNEY: Kapoor, Ravi  
 / TITLE OF INVENTION: A System for Cell Based Screening  
 / FILE REFERENCE: 97-052-LLA  
 / CURRENT APPLICATION NUMBER: US/10/100, 957A  
 / NUMBER OF SEQ ID NOS: 180  
 / SOFTWARE: PatentIn Ver. 2.0  
 / SEQ ID NO: 2 LENGTH: 244

TYPE: PRT ORGANISM: Artificial Sequence  
 / OTHER INFORMATION: description of Artificial Sequence:  
 / US-10-100-957A-2

Query Match Similarity 99.1%; Score 1263; DB 9; Length 244;  
 Best Local Similarity 99.2%; Prod. No. 7-3e-114;  
 Matches 237; Conservative 1; Mismatches 1; Gaps 0;

Qy 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60  
 Db 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60

Qy 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120  
 Db 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120

Qy 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180  
 Db 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180

Qy 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239  
 Db 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239

RESULT 12

Best Local Similarity 99.1%; Score 1263; DB 9; Length 244;  
 Matches 237; Conservative 1; Mismatches 1; Gaps 0;

US-10-033-717-33

Qy 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60  
 Db 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60

61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120  
 Db 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120

Qy 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180  
 Db 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180

Qy 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239  
 Db 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239

RESULT 11

US-10-033-717-35

Query Match Similarity 99.1%; Score 100333717  
 / OTHER INFORMATION: description of Artificial Sequence / No. US20030078406A1

General Information:  
 / APPLICANT: Blair, Donald  
 / APPLICANT: Clausen, Peter  
 / APPLICANT: Topol, Lilia  
 / APPLICANT: Maria, Marly  
 / APPLICANT: Calotay, Georges  
 / TITLE OF INVENTION: METHODS, COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
 / TITLE: METHOD, COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
 / TITLE REFERENCE: 140,14356  
 / CURRENT APPLICATION NUMBER: US/10/033-717  
 / CURRENT FILING DATE: 2001-12-27  
 / PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
 / PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-19  
 / PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
 / PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-26  
 / PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
 / PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-26  
 / NUMBER OF SEQ ID NOS: 38  
 / SOFTWARE: FastSEO for Windows Version 3.0  
 / SEQ ID NO: 35  
 / LENGTH: 308  
 / TYPE: PRT  
 / ORGANISM: Artificial Sequence  
 / FEATURE: OTHER INFORMATION: description of Artificial Sequence / No. US20030078406A1  
 / OTHER INFORMATION: synthetic construct  
 US-10-033-717-35

Query Match Similarity 99.1%; Score 1263; DB 9; Length 308;  
 Best Local Similarity 99.2%; Pred. No. 7-Be-14;  
 Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60  
 Db 1 MYSKEELEFGVPPVPLVLDQDNGHKPSGEGDAYGLTKEKTCGLVKEPPT 60

61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120  
 Db 61 LYTTLSFGVOCFSRPPDKMHDFFPSAMPYQORTFPPDKMNTKTAKEKVEGPT 120

Qy 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180  
 Db 121 VNRTELKGDFKDGNLGHMLKLYNNSHNYIMADQKNGKVNTRNEDGSVOLA 180

Qy 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239  
 Db 181 DHQONTPIGDGVLPNLYTQSALSQPKNEKRHMLGFTVTAAGITLGMDLYK 239

Sequence 33, Application US/1033717  
 Publication No. US20030078406A1  
 GENERAL INFORMATION:  
 ; APPLICANT: BLAIR, DONALD  
 ; APPLICANT: CLAUSEN, PETER  
 ; APPLICANT: TOPOL, LILIA  
 ; APPLICANT: MARK, MARIA  
 APPLICANT: CALOTHY, GEORGES  
 TITLE: METHODS AND COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
 TITLE: WITH CELL GROWTH INHIBITING ACTIVITY  
 FILE REFERENCE: 14014.0355  
 CURRENT APPLICATION NUMBER: US/10/033.717  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
 PRIOR FILING DATE: 2001-12-27  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 1999-11-19  
 PRIOR FILING DATE: 1999-03-26  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
 PRIOR FILING DATE: 1998-03-26  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO: 33  
 LENGTH: 359  
 TYPE: PRP  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence:/No. US20030078406A1  
 OTHER INFORMATION: Description of Artificial Sequence:/No. US20030078406A1  
 OTHER INFORMATION: synthetic construct  
 US-10-033-717-33

Query Match 99.1%; Score 1263; DB 9; Length 359;  
 Best Local Similarity 99.2%; Pred. No. 9.5e-14; Indels 0; Gaps 0;  
 Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 60  
 DB 1 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 60

QY 61 LYPLTLYGHCQSRPDMQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 120  
 DB 61 LYPLTLYGHCQSRPDMQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 120

QY 121 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 180  
 DB 121 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 180

QY 181 DHYQONTPIGDGVPIVLDQPNHILSTQALSKQPKNRHNLGLFTTAQG ITLMDELIK 239  
 DB 181 DHYQONTPIGDGVPIVLDQPNHILSTQALSKQPKNRHNLGLFTTAQG ITLMDELIK 239

RESULT 13  
 US-10-033-717-34  
 Sequence 34, Application US/1033717  
 Publication No. US20030078406A1  
 GENERAL INFORMATION:  
 ; APPLICANT: BLAIR, DONALD  
 ; APPLICANT: CLAUSEN, PETER  
 ; APPLICANT: TOPOL, LILIA  
 ; APPLICANT: MARK, MARIA  
 APPLICANT: CALOTHY, GEORGES  
 TITLE: METHODS AND COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
 TITLE: WITH CELL GROWTH INHIBITING ACTIVITY  
 FILE REFERENCE: 14014.0358  
 CURRENT APPLICATION NUMBER: US/10/033.717  
 CURRENT FILING DATE: 2001-12-27  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
 PRIOR FILING DATE: 1999-11-19  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
 PRIOR FILING DATE: 1999-03-26  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
 PRIOR FILING DATE: 1998-03-26  
 NUMBER OF SEQ ID NOS: 38

SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO: 34  
 LENGTH: 359  
 TYPE: PRP  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence:/No. US20030078406A1  
 OTHER INFORMATION: synthetic construct  
 US-10-033-717-34

Query Match 99.1%; Score 1263; DB 9; Length 359;  
 Best Local Similarity 99.2%; Pred. No. 9.5e-14; Indels 0; Gaps 0;  
 Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 60  
 DB 1 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 60

QY 61 LYPLTLYGQCFSPYPKHMDQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 120  
 DB 61 LYPLTLYGQCFSPYPKHMDQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 120

QY 121 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 180  
 DB 121 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 180

QY 181 DHYQONTPIGDGVPIVLDQPNHILSTQALSKQPKNRHNLGLFTTAQG ITLMDELIK 239  
 DB 181 DHYQONTPIGDGVPIVLDQPNHILSTQALSKQPKNRHNLGLFTTAQG ITLMDELIK 239

RESULT 14  
 US-10-072-036-129  
 Sequence 1263, Application US/10072036  
 Publication No. US2003002554A1  
 GENERAL INFORMATION:  
 ; APPLICANT: OLE THASTROP  
 ; APPLICANT: SARA BURTON  
 ; APPLICANT: Soren TULLIN  
 ; APPLICANT: Kasper ALMHOJ  
 ; APPLICANT: KURT SCUDER  
 TITLE: INVENTION: A Method For Extracting Quantitative Information Relating To  
 TITLE OF INVENTION: On A Cellular Response  
 FILE REFERENCE: 3759-0120P  
 CURRENT APPLICATION NUMBER: US/10/072,036  
 CURRENT FILING DATE: 2002-09-13  
 PRIORITY FILING DATE: 1999-10-07  
 PRIORITY NUMBER: 99-17,197  
 NUMBER OF SEQ ID NOS: 143  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 129  
 LENGTH: 379  
 TYPE: PRP  
 ORGANISM: Artificial Sequence  
 FEATURE: Description of Artificial Sequence:/No. US-10-072-036-129

Query Match 99.1%; Score 1263; DB 9; Length 379;  
 Best Local Similarity 99.2%; Pred. No. 1e-11; Indels 0; Gaps 0;  
 Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 60  
 DB 141 MVSKEELFGVPIVLDQGNYKPSVSGCEGDAVYGLTAKFCTGGLPYPNPT 200

QY 61 LYPLTLYGQCFSPYPKHMDQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 120  
 DB 201 LYPLTLYGQCFSPYPKHMDQHDFPSAMPGYQETEFFDQNKTKRAEYKEFGDTL 260

QY 121 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 180  
 DB 261 VNRIELKGIDPREDNLGKLEYNNNSVYIMADQNGKVKVTRINIEDS VOLA 220

Qy 181 DRYQNTPIGDGPVLPDNHILSTQALSKDPEKRDHMYLGFYTAAGITLGMDLYK 239  
 Db 321 DRYQNTPIGDGPVLPDNHILSTQALSKDPEKRDHMYLGFYTAAGITLGMDLYK 379

RESULT 15  
 US-10-033-717-32

1 Sequence 32, Application US/10033717  
 Publication No. US20030078406A1  
 GENERAL INFORMATION:  
 APPLICANT: BLAIR, DONALD  
 APPLICANT: CLAUSEN, PETER  
 APPLICANT: TOPOL, ILLIA  
 APPLICANT: MARY, MARIA  
 APPLICANT: CHALOTY, GEORGES  
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR IBM, A SECRETED PROTEIN  
 FILE REFERENCE: 404\_0358  
 CURRENT APPLICATION NUMBER: US/10-033,717  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
 PRIOR FILING DATE: 2001-12-27  
 PRIORITY DATE: 1999-11-19  
 PRIORITY NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
 PRIORITY NUMBER: EARLIER APPLICATION NUMBER: 1999-03-26  
 PRIORITY NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO 32  
 LENGTH: 391  
 TYPE: PART  
 ORGANISM: Artificial Sequence  
 FEATURE: Artificial Sequence  
 OTHER INFORMATION: Description of Artificial Sequence /No. US20030078406A1  
 US-10-033-717-32

Query Match 99.1%; Score 1263; DB 9; Length 391;  
 Best Local Similarity 99.2%; Pred. No. 1.1e-113; Mismatches 1; Indels 0; Gaps 0;  
 Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MWSKGEELFTGYVTPVILVEDGYDNHMKQDFKSMPEGYDVERTEFKDKGNYKRAEVKEFGTL 60  
 Db 1 MWSKGEELFTGYVTPVILVEDGYDNHMKQDFKSMPEGYDVERTEFKDKGNYKRAEVKEFGTL 60  
 Qy 61 LWTTLISGYCQFSSYDPDHMKQDFKSMPEGYDVERTEFKDKGNYKRAEVKEFGTL 120  
 Db 61 LWTTLISGYCQFSSYDPDHMKQDFKSMPEGYDVERTEFKDKGNYKRAEVKEFGTL 120  
 Qy 121 VNRIELKQIDKEDGNGLGHKLEYNMSHNVYMDKOKNCIKNKNFTRNEDGSIOLA 160  
 Db 121 VNRIELKQIDKEDGNGLGHKLEYNMSHNVYMDKOKNCIKNKNFTRNEDGSIOLA 160  
 Qy 181 DRYQNTPIGDGPVLPDNHILSTQALSKDPEKRDHMYLGFYTAAGITLGMDLYK 239  
 Db 181 DRYQNTPIGDGPVLPDNHILSTQALSKDPEKRDHMYLGFYTAAGITLGMDLYK 239

Search completed: June 3, 2003, 15:17:10  
 Job time : 46 secs